
From: Henderson, Kim/SDO <Kimberly.Henderson@jacobs.com>
Sent: Monday, August 6, 2018 5:01 PM
To: Janda, Danielle L CIV; Liscio, Matthew P CIV SEA 04, NAVSEA DET RASO
Cc: Hackett, John/DEN; Scott Hay (shay@cabreraservices.com); Alejandro Lopez
Subject: [Non-DoD Source] RE: draft # of samples
Attachments: draft number of soil samples text_080618.docx

Hi Danielle,
Attached is an updated file that include responses to your comments/questions.
Thanks!
Kim

-----Original Message-----

From: Janda, Danielle L CIV <danielle.janda@navy.mil>
Sent: Thursday, August 02, 2018 5:29 PM
To: Henderson, Kim/SDO <Kimberly.Henderson@jacobs.com>; Liscio, Matthew P CIV SEA 04, NAVSEA DET RASO <matthew.liscio@navy.mil>
Cc: Hackett, John/DEN <John.Hackett@jacobs.com>; Scott Hay (shay@cabreraservices.com) <shay@cabreraservices.com>; Alejandro Lopez <alopez@perma-fix.com>
Subject: [EXTERNAL] RE: draft # of samples

Hi Kim,

Here are my comments/questions:

- 1) Would the calculations be much different if it was based on the Cs-137 remediation goal? If yes, what's our justification for using radium verses cesium.
- 2) The first two paragraphs on p 2 confuse me. The calculations result in a minimum of 10 samples, but if we use a more conservative estimate of variability it results in 18 samples. Is that correct? Would we then default to 18 or 10? If we are using the conservatism for variability, then we don't need to arbitrarily increase number of samples to ensure the back calculated number of samples will be sufficient.
- 3) Is the 250% and arbitrary number to get to 25 samples? Also, it's not quite clear if you are keeping the # of on-site surface samples the same, or are increasing it to 25 samples per reference area.

V/r,
Danielle Janda
(619)524-6041

-----Original Message-----

From: Henderson, Kim/SDO <Kimberly.Henderson@jacobs.com>
Sent: Thursday, August 2, 2018 3:19 PM
To: Janda, Danielle L CIV <danielle.janda@navy.mil>; Liscio, Matthew P CIV SEA 04, NAVSEA DET RASO <matthew.liscio@navy.mil>

Cc: Hackett, John/DEN <John.Hackett@jacobs.com>; Scott Hay (shay@cabreraservices.com) <shay@cabreraservices.com>; Alejandro Lopez <alopez@perma-fix.com>
Subject: [Non-DoD Source] draft # of samples

Hi Danielle and Matt,

Please review the attached draft write-up and rationale for the # of soil samples.

Thanks!

Kim Henderson, PG, LEED GA

Project Manager

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M 1 757 513 6632

CH2M is now Jacobs.

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